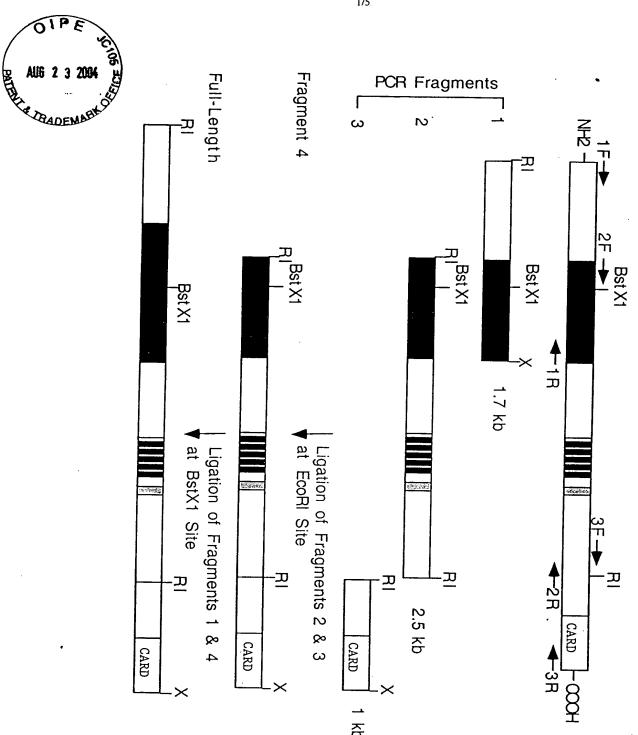
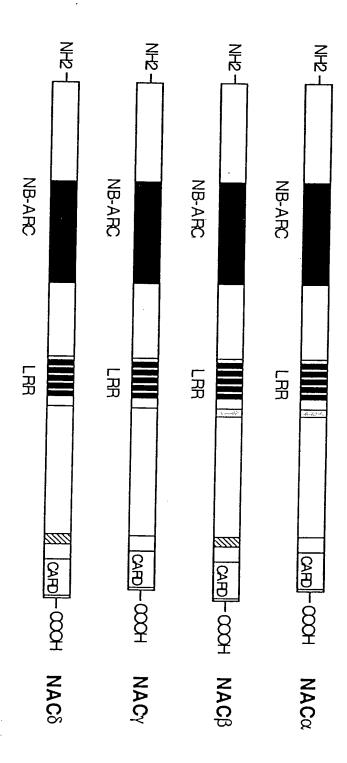
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AUG COT COC COPA COC TICG COC COC COC COC TOST TIPIC TITG CAPG TIC COG AAPG AAPG CAPG COTG AAPG CAPG TIC CAPG COTT COTG COC COC AAPT AAPA COC CAPC TICC AACG AACC TICT TICG COST CAPG 120 240 K T S G M E V A S Y L V A Q Y G E Q R A W D L A L H T W E O M TOTA CITE TOOK OF OAA OOD OF OAA OOD OOD TOT TOO TOO TOO TOO OOD AGT OAA OOD OOD TOT OOD AGT OAA OOD OOD TOO TOO OOD TOO TOO SEPHLGS PSQP EGAGHSPSFPYSP SGRRWREISA I H E L P A G C T Q G S E R R V L R Q L P D T 600 SSPDHESPSQESPNA LGSWGSPPQPSLAPREQE 200 720 R EREKSEKGR 280 ESLCSTWPWKNEDFNQKFTQ* L L L Q R P H P R S Q D P LVKRSW PDYVEENRGHLIEIRDLFG 320 <u>T L</u> A R Q V K E A W G R G Q L Y G D R O G A A G I G K P-loop (Walker A) LDTQEPR<u>IVI</u> THE CAG CAT GITE THE THE THE ACT THE ACT THE ACA GAG CITG GOD CAG THE AAA GITG GITG ACT CITE OCT GAG CITE ATT CAAA GAT GOD ACA GOD ACT COD CIT COD ATT ACA CAG ATT CITE TOT 1200 FILDGYDEPGWVLQ Walker B E P S S E L C L H W S Q P Q P A D A 440 IRAFRLVKSNKELWAL RKEYFYRYFTDERQA LTSKTTTTLCLH 560 CLMOOMKRKEKL Q K K T L F S P D D L R K H G L D G A 600 A O P L G P O L R D L C S L A A E G ATIC TOC ACC TIC TIG ANG ATG GET ATT CTT CAA CAG CAC CCC ATC CCT CTG ACC TAC ACC TIC ATT CAC CTC TGT TTC CAA CAG GTC TTT CCA CCA ATG TCC TAT GTC TTG CAG CAT CAG , 1920 FIHLCFQEFF AAMS LQEHPIPLS Y S ANG COCK ACA COST ANA CAST TICT ANSI TOC ASIC ASIA CAST TITG CAA ANG ACG CTA CAA CCA TAST COCA ASIA CAST COC CTG TTT COCG COCA TICA ACC ACA CCST TITC CTA TITG COCC CTG TTTA ACST CAST 2040 GIHGLFGASTTRFL RGKHSNCIIDLEKTLEAY 2160 GAG GAG AGA GAG AGA GAG AGG GAG AAC ACC TITT CAC TOO GAG CTG TICT CAG GAG AAC AAC CTG ATG CAG GAG GAC ACA CAC TACT CTG GAG GAG ACA CAC TICT CTG GAG TAC CTC CAC 720 GEREMENIFHCRLSQGRNL MQWVPSLQLLLQP TOC TIG TAC GAG ACT COG AAC AAA ACG TIC CTG ACA CAA GIG AGG CCC CAT TIC CAA CAA ATG COC ATG TIG GIA GAA ACA GAC ATG GAG CTC TITA GIG TOC ACT TITC TOC ATT AAA TIC 2280 V C T F C MGMCVETDMELL 760 LYETRNKTFLTOVMAHFEE ACC COC CPC GTG APG APG CTT CPG CTG ATT CPG CTG ATT CPG CTG ACG CPG CPG ACA TCA ACA TCG ACG CTG ACC ACG CTG ATG GTA GTG CTG TTC ACG TCG GTC CCA GTC ACA GAT CCC ACT TCC ACG ATT CTC 2400 800 E G R Q THE TOO GIC CITC ANG GIC ACC ACA AND CITG ANG GAG CITG GAC CITA AGT GCA AND TOO CITG ACC CITC COA GITG ANG AGT CITT TIGT ANG ACC CITG ACA COC CIT CITC CITG GAG 840 K V T R N L K E L D L S G N S L SHSAVKSLCKTLRR LRANQTLTELDLSFNVLTD 880 TLRLAGCGLTAEDCKDLAFG 2760 L V S C G L T S D C C Q D L A K H L C Q R L R Q P S C K L Q R ACC COC ACC CTG AAG CAG CTA CAC CTG CAG CAG AAC AAC CTG CAT CAC GTT CCC GTG CCA. CTG CTC TGT CAG CCC CTC AGG CAT CCT CCC AAA CTC ATA CTC ATA CCC CTG CTG CTG CAG CAG CAG 960 S L K E L D L Q Q N N L D D V G V R L L C E G L R H P A C K L IRL 3000 1000 3120 G E M S N S T S S L K R Q R L G S E R A A S H V A Q A N L K L 1040 3240 1080 D D V E L C V P S P A S Q G D E V COC COC ACG COC COT GIG COT ACT GAG GIA GIT GAC AAA GAA AAG AAC TIG TAC COA GIT OAC TIC COT GIA COT COC TAC TAC TAC TAC ACG COT CIC TAC TITT GIG ATG ACA 3360 1120 V D K N L Y R V H F P V A G S Y R W P N T G L C Е GAA COES CITS ACC CITS GAG ATT GAA THE TIGT CITG TOES GAC CAG THE CITG COET GAG AND AAC CAA CAG CAC ACC TOES AND AGG COE COES COET CITG CITG CAG COET GAG COET GAA COET 3480 E A V T V E I E F C V W D Q F L G E I N P Q H S W M V A G P L L D I K A E P G A 1160 GIG GAA GCT GIG GAG-CIC COT OPC TITT GIG GCT CIC CAA GGG GCC CAT GIG GAC ACA TOC CIG TIC CAA ATIG GCC CAC GAG GAG GAG GCC AGG GCG ATIG CIC CIG GAG AAG CCC AGG GIG 3600 KEEGMLLEKPAR GHVDTS LFOMAHF GAS CITG CAT CAC ATA GIT CITG GAA AAC COC ACC CITC TOC COC TITG CCA GITC CITG CAA ATC CAC AAT COC CITG COC TITC ACT COC GITC ACT CITC GITG GITG TITC CITC TAC CAC CIC 3720 1240 LHHIVLENPSFSPLGVLLK MIHNALRF IPVTSVVLLYH 3840 1290 KAIDDLEMKFQF YLIP SDCS I R CTG ACC COA CTT TRIT ATG CCC TGT CGT TRC ACT GTG TCT CCC TCT TGA CTG ATG CTG CRA ATA CTC CCC ARG CAA CTG CRG CTC TCC TRIT CCA ACC CCT CCA CAA CAC CAG CTG TTC 3960 1320 V S G S G S G M L E I L P K E L E L C Y R S P G E 4080 1360 FYVGHLGSGIRLQVKDKK DETLVWEALVKPGDLM 4200 1400 I P P A R I A V P S P L D A P Q L V D R L H Q 4320 SWDRKC 1440 DKLHGQVLSQEQYERVLA ENTRPSQMRKLFSLSQ AAA GAT GGA CTC TAC GAA GCC CTG AAG GAG GAC CAT CCT CAC CTC ATT ATG GAA CTC TGG GAG AAG GCC AAA AAG GGA CTC CTG GCA CTC AGC AGC TGA TRPSQMRKLFSL 4422 1473

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LKETHPHLIMELW

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LacZ	Leu-	Leu+	B42	LexA
++ +/- ++ +/- +/- -	8		Casp-9 (CARD) Casp-8 (Pro) Apaf-1 (-WD) Bcl-XL (-TM) Bcl-2 (-TM) Bax (-TM) vRas	NAC-CARD
++	*: *	•••	NAC-CARD Apaf-1 (-WD) vRas	Casp-9 (CARD)
++++	888		NAC-CARD FADD vRas	Casp-8. (Pro)
++++	9 & A	• • •	NAC-CARD Casp-9 (CARD) vRas	Apaf-1 (-WD)
+++			NAC-CARD Bcl-XL (-TM) Apaf-1 (-WD) vRas	Bcl-XL
+/-		• • •	NAC-CARD Bax (-TM) Bcl-2 (-TM) vRas	Bax
+++++	. n .	• • •	NAC-CARD Bcl-2 (-TM) Bax (-TM) vRas	Bcl-2

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